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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/821,501	03/29/2001	Takao Yoshimine	450100-03089	2784

20999 7590 08/13/2004

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NEW YORK, NY 10151

EXAMINER

HARRELL, ROBERT B

ART UNIT	PAPER NUMBER
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2142

DATE MAILED: 08/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/821,501

Applicant(s)

YOSHIMINE ET AL.

Examiner

Robert B. Harrell

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-48 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 1-48 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☒ Other: see attached Office Action.

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1. Claims 1-48 are present for consideration.
2. Since a patent may only be granted on an invention (each in the singular) restriction to one of the following inventions is required under 35 U.S.C. 121 (see 37 CFR 1.141):

Group I. Claims 1 2 3 10 11 and 12 drawn to a content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network; OR, stated another way a content providing system comprising, a client demanding the providing of a content over a network, and a content providing device to provide said content over said network responding to a demand from said client wherein said content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network.

Classified in Class 707 subclass 1.

Group II. Claims 4 5 6 7 8 and 9 drawn to a content providing method comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network; OR, stated another way a program storage medium by which to let a content providing device perform a program comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network.

Classified in Class 718 subclass 104.

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Group III. Claims 13 14 15 16 17 28 29 30 31 and 32 drawn to a content providing device comprising, content storing and providing means for storing a content supplied from a first information processing device in the exclusive storage area placed for the public and for providing said content to a second information processing device over a network after reading said content from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that a plurality of the first information processing devices share said exclusive storage area placed in said content storing and providing means for the public; OR, stated another way a content providing system comprising, a first information processing device to supply contents, a second information processing device which makes a demand for said contents and which receives a supply of said contents matching said demand, and a content providing device for storing said contents supplied from said first information processing device and for providing said contents to said second information processing device over a network after reading said contents responding to said demand from said second information processing device, wherein said content providing device comprising, content storing and providing means for storing said contents supplied from said first information processing devices in the exclusive storage area placed for the public and for providing said contents to said second information processing device over said network after reading said contents from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that said plurality of first information processing devices share said exclusive storage area placed in said content storing and providing means for the public.

Classified in Class 709 subclass 203.

Group IV. Claims 18 19 20 21 22 23 24 25 26 and 27 drawn to a content providing method comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control; OR, stated another way a program storage medium with which to let a content providing device execute a program comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to

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said second information processing device over said network following the control content performed in said step of performing a control.

Classified in Class 717 subclass 178.

Group V. Claims 33 34 35 36 45 46 47 and 48 drawn to a content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving them responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value; OR, stated another way a content providing system comprising, an information processing device that supplies contents and providing schedule time data indicating a providing schedule time of said contents, and a content providing device that stores said contents supplied from said information processing device and that provides said contents to clients over said network at said providing schedule time suitable for said providing schedule time data, wherein said content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving it responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value.

Classified in Class 345 subclass 733

Group VI. Claims 37 38 39 40 41 42 43 and 44 drawn to a content reservation control method comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to clients over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact

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that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting; OR, stated another way a program storage medium with which to let a content providing device perform a program comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to a client over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting.

Classified in Class 715 subclass 500.1.

For brevity, the following paragraphs are in the format:

Inventions X and Y are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group X has separate utility such as in a [copied claims of Group X] not used in a [copied claims of Group Y] as claimed in Group Y.

However, to be complete, the full substitutions are now provided:

3. Inventions I and II are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group I has separate utility such as in a content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network; OR stated another way a content providing system comprising, a client demanding the providing of a content over a network, and a content providing

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device to provide said content over said network responding to a demand from said client wherein said content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network not used in to a content providing method comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network; OR, stated another way a program storage medium by which to let a content providing device perform a program comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network as claimed in Group II.

4. Inventions I and III are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group I has separate utility such as in a content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network; OR stated another way a content providing system comprising, a client demanding the providing of a content over a network, and a content providing device to provide said content over said network responding to a demand from said client wherein said content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control

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means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network not used in a content providing device comprising, content storing and providing means for storing a content supplied from a first information processing device in the exclusive storage area placed for the public and for providing said content to a second information processing device over a network after reading said content from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that a plurality of the first information processing devices share said exclusive storage area placed in said content storing and providing means for the public; OR, stated another way a content providing system comprising, a first information processing device to supply contents, a second information processing device which makes a demand for said contents and which receives a supply of said contents matching said demand, and a content providing device for storing said contents supplied from said first information processing device and for providing said contents to said second information processing device over a network after reading said contents responding to said demand from said second information processing device, wherein said content providing device comprising, content storing and providing means for storing said contents supplied from said first information processing devices in the exclusive storage area placed for the public and for providing said contents to said second information processing device over said network after reading said contents from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that said plurality of first information processing devices share said exclusive storage area placed in said content storing and providing means for the public not claimed in Group III.

5. Inventions I and IV are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group I has separate utility such as in a content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network; OR stated another way a content providing system comprising, a client demanding the providing of a content over a network, and a content providing device to provide said content over said network responding to a demand from said client wherein said content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the

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time when said client makes said demand from said content storing and providing means over said network not used in a content providing method comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control; OR, stated another way a program storage medium with which to let a content providing device execute a program comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control as claimed in Group IV.

6. Inventions I and V are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group I has separate utility such as in a content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network; OR stated another way a content providing system comprising, a client demanding the providing of a content over a network, and a content providing device to provide said content over said network responding to a demand from said client wherein said content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network not used in a content providing device comprising, content storing and providing means for once storing contents supplied from an information processing

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device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving them responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value; OR, stated another way a content providing system comprising, an information processing device that supplies contents and providing schedule time data indicating a providing schedule time of said contents, and a content providing device that stores said contents supplied from said information processing device and that provides said contents to clients over said network at said providing schedule time suitable for said providing schedule time data, wherein said content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving it responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value as claimed in Group V.

7. Inventions I and VI are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group I has separate utility such as in a content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network; OR stated another way a content providing system comprising, a client demanding the providing of a content over a network, and a content providing device to provide said content over said network responding to a demand from said client wherein said content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand

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of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network not used in a content reservation control method comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to clients over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting; OR, stated another way a program storage medium with which to let a content providing device perform a program comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to a client over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting as claimed in Group VI.

8. Inventions II and I are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group II has separate utility such as in to a content providing method comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network; OR,

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stated another way a program storage medium by which to let a content providing device perform a program comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network not used in a content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network; OR stated another way a content providing system comprising, a client demanding the providing of a content over a network, and a content providing device to provide said content over said network responding to a demand from said client wherein said content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network as claimed in Group I.

9. Inventions II and III are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group II has separate utility such as in to a content providing method comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network; OR, stated another way a program storage medium by which to let a content providing device perform a program comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural

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kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network not used in a content providing device comprising, content storing and providing means for storing a content supplied from a first information processing device in the exclusive storage area placed for the public and for providing said content to a second information processing device over a network after reading said content from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that a plurality of the first information processing devices share said exclusive storage area placed in said content storing and providing means for the public; OR, stated another way a content providing system comprising, a first information processing device to supply contents, a second information processing device which makes a demand for said contents and which receives a supply of said contents matching said demand, and a content providing device for storing said contents supplied from said first information processing device and for providing said contents to said second information processing device over a network after reading said contents responding to said demand from said second information processing device, wherein said content providing device comprising, content storing and providing means for storing said contents supplied from said first information processing devices in the exclusive storage area placed for the public and for providing said contents to said second information processing device over said network after reading said contents from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that said plurality of first information processing devices share said exclusive storage area placed in said content storing and providing means for the public not claimed in Group III.

10. Inventions II and IV are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group II has separate utility such as in to a content providing method comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network; OR, stated another way a program storage medium by which to let a content providing device perform a program comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said

content storing and providing means over said network not used in a content providing method comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control; OR, stated another way a program storage medium with which to let a content providing device execute a program comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control as claimed in Group IV.

11. Inventions II and V are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group II has separate utility such as in to a content providing method comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network; OR, stated another way a program storage medium by which to let a content providing device perform a program comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network not used in a content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after

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retrieving them responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value; OR, stated another way a content providing system comprising, an information processing device that supplies contents and providing schedule time data indicating a providing schedule time of said contents, and a content providing device that stores said contents supplied from said information processing device and that provides said contents to clients over said network at said providing schedule time suitable for said providing schedule time data, wherein said content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving it responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value as claimed in Group V.

12. Inventions II and VI are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group II has separate utility such as in to a content providing method comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network; OR, stated another way a program storage medium by which to let a content providing device perform a program comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content

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of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network not used in a content reservation control method comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to clients over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting; OR, stated another way a program storage medium with which to let a content providing device perform a program comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to a client over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting as claimed in Group VI.

13. Inventions III and I are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group III has separate utility such as in a content providing device comprising, content storing and providing means for storing a content supplied from a first information processing device in the exclusive storage area placed for the public and for providing said content to a second information processing device over a network after reading said content from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that a plurality of the first information processing devices share said exclusive storage area placed in said content storing and providing means for the public; OR, stated another way a content providing system comprising, a first information processing device to supply contents, a second information processing device which makes a demand for said contents and which receives a supply of said contents matching said demand, and a content providing device

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for storing said contents supplied from said first information processing device and for providing said contents to said second information processing device over a network after reading said contents responding to said demand from said second information processing device, wherein said content providing device comprising, content storing and providing means for storing said contents supplied from said first information processing devices in the exclusive storage area placed for the public and for providing said contents to said second information processing device over said network after reading said contents from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that said plurality of first information processing devices share said exclusive storage area placed in said content storing and providing means for the public not used in a content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network; OR stated another way a content providing system comprising, a client demanding the providing of a content over a network, and a content providing device to provide said content over said network responding to a demand from said client wherein said content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network as claimed in Group I.

14. Inventions III and II are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group III has separate utility such as in a content providing device comprising, content storing and providing means for storing a content supplied from a first information processing device in the exclusive storage area placed for the public and for providing said content to a second information processing device over a network after reading said content from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that a plurality of the first information processing devices share said exclusive storage area placed in said content storing and providing means for the public; OR, stated another way a content providing system comprising, a first information processing device to supply contents, a second information processing device which makes a demand for said contents and which receives a supply of said contents matching said demand, and a content providing device for storing said contents supplied from said first information processing device and for

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providing said contents to said second information processing device over a network after reading said contents responding to said demand from said second information processing device, wherein said content providing device comprising, content storing and providing means for storing said contents supplied from said first information processing devices in the exclusive storage area placed for the public and for providing said contents to said second information processing device over said network after reading said contents from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that said plurality of first information processing devices share said exclusive storage area placed in said content storing and providing means for the public not used in to a content providing method comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network; OR, stated another way a program storage medium by which to let a content providing device perform a program comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network not claimed in Group II.

15. Inventions III and IV are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group III has separate utility such as in a content providing device comprising, content storing and providing means for storing a content supplied from a first information processing device in the exclusive storage area placed for the public and for providing said content to a second information processing device over a network after reading said content from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that a plurality of the first information processing devices share said exclusive storage area placed in said content storing and providing means for the public; OR, stated another way a content providing system comprising, a first information processing device to supply contents, a second information processing device which makes a demand for said contents and which receives a supply of said contents matching said demand, and a content providing device for storing said contents supplied from said first information processing device and for providing said contents to said second information processing device over a network after reading said contents responding to said demand from said second information

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processing device, wherein said content providing device comprising, content storing and providing means for storing said contents supplied from said first information processing devices in the exclusive storage area placed for the public and for providing said contents to said second information processing device over said network after reading said contents from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that said plurality of first information processing devices share said exclusive storage area placed in said content storing and providing means for the public not used in a content providing method comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control; OR, stated another way a program storage medium with which to let a content providing device execute a program comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control as claimed in Group IV.

16. Inventions III and V are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group III has separate utility such as in a content providing device comprising, content storing and providing means for storing a content supplied from a first information processing device in the exclusive storage area placed for the public and for providing said content to a second information processing device over a network after reading said content from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that a plurality of the first information processing devices share said exclusive storage area placed in said content storing and providing means for the public; OR, stated another way a content providing system comprising, a first information processing device to supply contents, a second information processing device which makes a demand for said contents and which receives a supply of said contents matching said demand, and a content providing device for storing said contents supplied from said first information processing device and for

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providing said contents to said second information processing device over a network after reading said contents responding to said demand from said second information processing device, wherein said content providing device comprising, content storing and providing means for storing said contents supplied from said first information processing devices in the exclusive storage area placed for the public and for providing said contents to said second information processing device over said network after reading said contents from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that said plurality of first information processing devices share said exclusive storage area placed in said content storing and providing means for the public not used in a content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving them responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value; OR, stated another way a content providing system comprising, an information processing device that supplies contents and providing schedule time data indicating a providing schedule time of said contents, and a content providing device that stores said contents supplied from said information processing device and that provides said contents to clients over said network at said providing schedule time suitable for said providing schedule time data, wherein said content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving it responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value as claimed in Group V.

17. Inventions III and VI are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group III has separate utility such as in a content providing device comprising, content storing and providing means for storing a content supplied from a first information processing device in the

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exclusive storage area placed for the public and for providing said content to a second information processing device over a network after reading said content from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that a plurality of the first information processing devices share said exclusive storage area placed in said content storing and providing means for the public; OR, stated another way a content providing system comprising, a first information processing device to supply contents, a second information processing device which makes a demand for said contents and which receives a supply of said contents matching said demand, and a content providing device for storing said contents supplied from said first information processing device and for providing said contents to said second information processing device over a network after reading said contents responding to said demand from said second information processing device, wherein said content providing device comprising, content storing and providing means for storing said contents supplied from said first information processing devices in the exclusive storage area placed for the public and for providing said contents to said second information processing device over said network after reading said contents from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that said plurality of first information processing devices share said exclusive storage area placed in said content storing and providing means for the public not used in a content reservation control method comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to clients over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting; OR, stated another way a program storage medium with which to let a content providing device perform a program comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to a client over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper

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limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting as claimed in Group VI.

18. Inventions IV and I are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group IV has separate utility such as in a content providing method comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control; OR, stated another way a program storage medium with which to let a content providing device execute a program comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control not used in a content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network; OR, stated another way a content providing system comprising, a client demanding the providing of a content over a network, and a content providing device to provide said content over said network responding to a demand from said client wherein said content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network as claimed in Group I.

19. Inventions IV and II are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group IV has separate utility such as in a content providing method comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control; OR, stated another way a program storage medium with which to let a content providing device execute a program comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control not used in to a content providing method comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network; OR, stated another way a program storage medium by which to let a content providing device perform a program comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network not claimed in Group II.

20. Inventions IV and III are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group IV has separate

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utility such as in a content providing method comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control; OR, stated another way a program storage medium with which to let a content providing device execute a program comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control not used in a content providing device comprising, content storing and providing means for storing a content supplied from a first information processing device in the exclusive storage area placed for the public and for providing said content to a second information processing device over a network after reading said content from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that a plurality of the first information processing devices share said exclusive storage area placed in said content storing and providing means for the public; OR, stated another way a content providing system comprising, a first information processing device to supply contents, a second information processing device which makes a demand for said contents and which receives a supply of said contents matching said demand, and a content providing device for storing said contents supplied from said first information processing device and for providing said contents to said second information processing device over a network after reading said contents responding to said demand from said second information processing device, wherein said content providing device comprising, content storing and providing means for storing said contents supplied from said first information processing devices in the exclusive storage area placed for the public and for providing said contents to said second information processing device over said network after reading said contents from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that said plurality of first information processing devices share said exclusive storage area placed in said content storing and providing means for the public as claimed in Group III.

21. Inventions IV and V are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are

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shown to be separately useable. In this instant case invention of Group IV has separate utility such as in a content providing method comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control; OR, stated another way a program storage medium with which to let a content providing device execute a program comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control not used in a content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving them responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value; OR, stated another way a content providing system comprising, an information processing device that supplies contents and providing schedule time data indicating a providing schedule time of said contents, and a content providing device that stores said contents supplied from said information processing device and that provides said contents to clients over said network at said providing schedule time suitable for said providing schedule time data, wherein said content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving it responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data,

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and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value as claimed in Group V.

22. Inventions IV and VI are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group IV has separate utility such as in a content providing method comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control; OR, stated another way a program storage medium with which to let a content providing device execute a program comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control not used in a content reservation control method comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to clients over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting; OR, stated another way a program storage medium with which to let a content providing device perform a program

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comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to a client over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting as claimed in Group VI.

23. Inventions V and I are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group V has separate utility such as in a content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving them responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value; OR, stated another way a content providing system comprising, an information processing device that supplies contents and providing schedule time data indicating a providing schedule time of said contents, and a content providing device that stores said contents supplied from said information processing device and that provides said contents to clients over said network at said providing schedule time suitable for said providing schedule time data, wherein said content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving it responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said

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contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value not used in a content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network; OR stated another way a content providing system comprising, a client demanding the providing of a content over a network, and a content providing device to provide said content over said network responding to a demand from said client wherein said content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network as claimed in Group I.

24. Inventions V and II are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group V has separate utility such as in a content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving them responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value; OR, stated another way a content providing system comprising, an information processing device that supplies contents and providing schedule time data indicating a providing schedule time of said contents, and a content providing device that stores said contents supplied from said information processing device and that provides said contents to clients over said network at said providing schedule time suitable for said providing schedule time data, wherein said content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving it responding to a demand from said client, providing schedule

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setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value not used in to a content providing method comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network; OR, stated another way a program storage medium by which to let a content providing device perform a program comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network not claimed in Group II.

25. Inventions V and III are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group V has separate utility such as in a content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving them responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value; OR, stated another way a content providing system comprising, an information processing device that supplies contents and providing schedule time data indicating a providing schedule time of said contents, and a content providing device that stores said contents supplied from said information processing device and that provides said contents to clients over said network at said

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providing schedule time suitable for said providing schedule time data, wherein said content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving it responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value not used in a content providing device comprising, content storing and providing means for storing a content supplied from a first information processing device in the exclusive storage area placed for the public and for providing said content to a second information processing device over a network after reading said content from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that a plurality of the first information processing devices share said exclusive storage area placed in said content storing and providing means for the public; OR, stated another way a content providing system comprising, a first information processing device to supply contents, a second information processing device which makes a demand for said contents and which receives a supply of said contents matching said demand, and a content providing device for storing said contents supplied from said first information processing device and for providing said contents to said second information processing device over a network after reading said contents responding to said demand from said second information processing device, wherein said content providing device comprising, content storing and providing means for storing said contents supplied from said first information processing devices in the exclusive storage area placed for the public and for providing said contents to said second information processing device over said network after reading said contents from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that said plurality of first information processing devices share said exclusive storage area placed in said content storing and providing means for the public as claimed in Group III.

26. Inventions V and IV are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group V has separate utility such as in a content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving them responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a

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providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value; OR, stated another way a content providing system comprising, an information processing device that supplies contents and providing schedule time data indicating a providing schedule time of said contents, and a content providing device that stores said contents supplied from said information processing device and that provides said contents to clients over said network at said providing schedule time suitable for said providing schedule time data, wherein said content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving it responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value not used in a content providing method comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control; OR, stated another way a program storage medium with which to let a content providing device execute a program comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control as claimed in Group IV.

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27. Inventions V and VI are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group V has separate utility such as in a content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving them responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value; OR, stated another way a content providing system comprising, an information processing device that supplies contents and providing schedule time data indicating a providing schedule time of said contents, and a content providing device that stores said contents supplied from said information processing device and that provides said contents to clients over said network at said providing schedule time suitable for said providing schedule time data, wherein said content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving it responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value not used in a content reservation control method comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to clients over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation

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value reached is detected at said step of detecting; OR, stated another way a program storage medium with which to let a content providing device perform a program comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to a client over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting as claimed in Group VI.

28. Inventions VI and I are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group VI has separate utility such as in a content reservation control method comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to clients over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting; OR, stated another way a program storage medium with which to let a content providing device perform a program comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to a client over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches

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the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting not used in a content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network; OR stated another way a content providing system comprising, a client demanding the providing of a content over a network, and a content providing device to provide said content over said network responding to a demand from said client wherein said content providing device comprising, content storing and providing means for securing the exclusive storage area for each individual from which plural kinds of contents stored there are retrieved to be provided over a network responding to a demand of a client, a providing schedule database storing a providing schedule set up to provide said plurality of contents in each given time schedule frame one by one, and control means for recognizing said time schedule frame of said providing schedule based on the time when said client makes said demand from said content storing and providing means over said network as claimed in Group I.

29. Inventions VI and II are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group VI has separate utility such as in a content reservation control method comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to clients over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting; OR, stated another way a program storage medium with which to let a content providing device perform a program comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to a client over a network after retrieving them responding to a demand from said client, setting up the

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providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting not used in to a content providing method comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network; OR, stated another way a program storage medium by which to let a content providing device perform a program comprising the steps of, securing the exclusive storage area from which a plurality of contents stored there are retrieved and recognizing the time when a client makes a demand for said contents from content storing and providing means over said network, judging the kind of a content to be provided in a time schedule frame meeting said time demanded based on a providing schedule set up to provide said plural kinds of contents in a given time schedule frame one by one, and providing said content of the kind judged at said step of judging the kind of a content to said client through said content storing and providing means over said network not claimed in Group II.

30. Inventions VI and III are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group VI has separate utility such as in a content reservation control method comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to clients over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting; OR, stated another way a program storage medium with which to let a content providing device perform a program comprising the steps of, receiving providing schedule time data indicating the providing

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schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to a client over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting not used in a content providing device comprising, content storing and providing means for storing a content supplied from a first information processing device in the exclusive storage area placed for the public and for providing said content to a second information processing device over a network after reading said content from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that a plurality of the first information processing devices share said exclusive storage area placed in said content storing and providing means for the public; OR, stated another way a content providing system comprising, a first information processing device to supply contents, a second information processing device which makes a demand for said contents and which receives a supply of said contents matching said demand, and a content providing device for storing said contents supplied from said first information processing device and for providing said contents to said second information processing device over a network after reading said contents responding to said demand from said second information processing device, wherein said content providing device comprising, content storing and providing means for storing said contents supplied from said first information processing devices in the exclusive storage area placed for the public and for providing said contents to said second information processing device over said network after reading said contents from said exclusive storage area responding to a demand from said second information processing device, and control means for performing a control in a way that said plurality of first information processing devices share said exclusive storage area placed in said content storing and providing means for the public as claimed in Group III.

31. Inventions VI and IV are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately useable. In this instant case invention of Group VI has separate utility such as in a content reservation control method comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to clients over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving

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providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting; OR, stated another way a program storage medium with which to let a content providing device perform a program comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to a client over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting not used in a content providing method comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control; OR, stated another way a program storage medium with which to let a content providing device execute a program comprising the steps of, storing contents supplied from a first information processing device in the exclusive storage area placed for the public and performing a control in such a way that said plurality of first information processing devices share said exclusive storage area in content storing and providing means to be provided to said second information processing device through a network after reading said contents from said storage area responding to a demand from the second information processing device, and providing said contents supplied from said plurality of first information processing devices through said exclusive storage area to said second information processing device over said network following the control content performed in said step of performing a control as claimed in Group IV.

32. Inventions VI and V are related as subcombinations disclosed as useable together in a single combination. The subcombinations are distinct from each other if they are

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shown to be separately useable. In this instant case invention of Group VI has separate utility such as in a content reservation control method comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to clients over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting; OR, stated another way a program storage medium with which to let a content providing device perform a program comprising the steps of, receiving providing schedule time data indicating the providing schedule time of said contents supplied by the content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and providing said contents to a client over a network after retrieving them responding to a demand from said client, setting up the providing schedule of said contents based on said providing schedule time data received at said step of receiving providing schedule time data, setting up the upper limitation of the number of said contents to be provided at one time and detecting the fact that said number of said contents to be provided at one time at said given providing schedule time based on said providing schedule set up by said providing schedule setup means reaches the upper limitation value, and notifying said information processing device of the unavailability of a reservation at said providing schedule time over said network when the upper limitation value reached is detected at said step of detecting not used in a content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving them responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value; OR, stated another way a content providing system comprising, an information processing device that supplies contents and providing schedule time data indicating a providing schedule time of said contents, and a content providing device that stores said contents supplied from said information processing device and that provides said contents to clients over said network at said

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providing schedule time suitable for said providing schedule time data, wherein said content providing device comprising, content storing and providing means for once storing contents supplied from an information processing device in the exclusive storage area secured for an individual person and for providing said contents to a client over a network after retrieving it responding to a demand from said client, providing schedule setup means for receiving providing schedule time data indicating the providing schedule time for said contents over said network and for setting up a providing schedule for said contents based on the said providing schedule time data, and control means for setting up the upper limitation of the number of said contents to be provided at one time and for notifying said information processing device over said network that a reservation is impossible at said providing schedule time when it is detected that the number of said contents to be provided at one time at said given providing schedule time based on said providing schedule reaches said upper limitation value as claimed in Group V.

33. An undue burden would be placed upon examiner since the search each Group would be in classes and subclasses not required for the other Groups.

34. Because these inventions are independently distinct from each other for the reasons given above and because they have acquired a separate status in the art as shown by their different classification and their recognized divergent subject matter and the search for each Group is not required for the other Group restriction for examination purposes as indicated is proper.

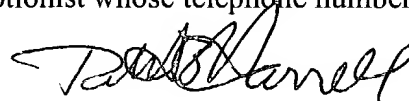
35. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed.

36. The applicant is also advised that the response must be submitted to the Office ***within ONE [1] Month*** or 30 days whichever is longest.

38. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert B. Harrell whose telephone number is (703) 305-9692. The examiner can normally be reached Monday thru Friday from 5:30 am to 2:00 pm and on weekends from 6:00 am to 12 noon Eastern Standard Time.

38. If attempts to reach the examiner by telephone are unsuccessful the examiner's supervisor Jack B. Harvey can be reached on (703) 308-9705. The fax phone numbers for the Group are (703) 746-7238 for After-Final (703) 746-7239 for Official Papers and (703) 746-7240 for Non-Official and Draft papers.

39. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-9600.



**ROBERT B. HARRELL
PRIMARY EXAMINER**